



BIOLOGY NMDCAT EARLIER PREP

PMC UNIT WISE TEST Unit-7

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03418729745(WhatsApp Groups)

TOPICS:

- ✓ Homeostasis
- ✓ Support & Movement

- Q.1 The alternative term of receptor used in physical control system:**
A. Control system B. Control centre
C. Effectors D. Sensor
- Q.2 A diluted solution compared to the cell concentration is termed as:**
A. Hypertonic B. Hypotonic
C. Isotonic D. Paratonic
- Q.3 Number of Ammonia molecules required to produce one molecule of urea is:**
A. 1 B. 2
C. 3 D. 4
- Q.4 The incidence of calcium oxalate type stones is:**
A. 10% B. 15%
C. 25% D. 70%
- Q.5 1g of ammonia nitrogen requires how much water for excretion?**
A. 50ml B. 100ml
C. 250ml D. 500ml
- Q.6 Hemodialysis means:**
A. Removing the blood B. Clearing the blood
C. Diluting the blood D. Storing the blood
- Q.7 The rate of heat production is increased by increasing muscle contraction:**
A. Thermoregulation B. Shivering thermogenesis
C. Non Shivering thermogenesis D. Thermo stimulation
- Q.8 All the collecting tubules of human kidney finally drain into:**
A. Bowman's capsule B. Glomerulus
C. Pelvis D. Urethra
- Q.9 Lizards bask in sun to gain:**
A. Heat B. Cold
C. Air D. Moisture
- Q.10 High degree of renal failure is also called:**
A. Uremia B. Leukemia
C. Anemia D. Lithotripsy
- Q.11 Non-surgical removal of kidney stone is called:**
A. Dialysis B. Lithotripsy
C. Uremia D. Kidney transplant
- Q.12 Blood supplied to each kidney during each cardiac beat is:**
A. 5% B. 10%
C. 20% D. 50%
- Q.13 The microscopic structural units in kidneys that remove wastes from blood are:**
A. Renal arteries B. Nephrons
C. Renal corpuscles D. Malpighian corpuscles
- Q.14 Maintenance of fairly constant internal environment is labeled as:**
A. Homeostasis B. Excretion
C. Osmoregulation D. Thermoregulation
- Q.15 _____ in males is known as urinogenital duct.**
A. Renal pelvis B. Urethra



- C. Loop of Henle
D. Ureter
- Q.16 The right kidney is slightly lower than left kidney due to presence of:**
A. Liver
B. Spleen
C. Stomach
D. Gall bladder
- Q.17 One step that is not involved in urine formation:**
A. Micturition
B. Ultrafiltration
C. Selective reabsorption
D. Secretion
- Q.18 The human abdominal cavity is lined by a thin epithelium called:**
A. Ectoderm
B. Endoderm
C. Peritoneum
D. Epidermis
- Q.19 Which one of the following nephron segment is always permeable to water?**
A. Descending limb of loop of Henle
B. Collecting duct
C. Ascending limb of loop of Henle
D. DCT
- Q.20 Increased water concentration in plasma would result in:**
A. Increased ADH Level
B. Increased Aldosterone level
C. Decreased ADH Level
D. Decreased Urine output
- Q.21 Lithotripsy is used for the treatment of:**
A. Renal stones
B. Chronic renal failure
C. Acute renal failure
D. Uremia
- Q.22 All of the following functions are related with nephrons except:**
A. Filtration of blood
B. Concentration of urine
C. Formation of urine
D. Storage of urine
- Q.23 It is proximal enlarged portion of ureter at kidney:**
A. Hilus
B. Bladder
C. Pelvis
D. Lumen
- Q.24 Which one of the following characteristic/s is/are absolutely required for concentration of urine?**
A. Counter- current flow
B. Juxtamedullary nephron
C. High medullary osmolarity
D. All A, B, C
- Q.25 Which of the following is occurring at Bowman's capsule?**
A. Secretion of Na^+
B. Counter current mechanism
C. Ultrafiltration
D. Reabsorption of useful materials
- Q.26 During _____, capillaries grow into a mass of clotted blood and clear up the debris.**
A. Bone remodeling
B. Hematoma formation
C. Bony callus formation
D. Soft callus formation
- Q.27 Which one of the following is a bone of forearm in humans?**
A. Humerus
B. Femur
C. Ulna
D. Tibia
- Q.28 Clavicle connects:**
A. Humerus with sternum
B. Coracoid with sternum
C. Scapula with sternum
D. Cervical vertebrae with sternum
- Q.29 Which one of following receives the nerves from somatic nervous system?**
A. Skeletal muscle
B. Smooth muscle
C. Cardiac muscle
D. All involuntary muscles
- Q.30 The collagen fibers of bones are hardened by deposit of:**
A. Calcium phosphate
B. Calcium chloride
C. Calcium nitrate
D. Magnesium phosphate
- Q.31 Human wrist and palm contains following bones respectively:**
A. Carpals and tarsals
B. Tarsal and metatarsal
C. Carpals and metacarpals
D. Metacarpal and phalanges
- Q.32 Bones protect critical internal organs like:**
A. Brain, spinal cord, heart
B. Brain, all nerves, spinal cord
C. Heart, stomach, eyes
D. Spinal cord, pinna of ears, lungs
- Q.33 For muscle contraction, Ca^{+2} in sarcoplasm are released from:**
A. T-tubule
B. Troponin



- Q.34** All bones in skull are immovable except:
- | | |
|---------------------------|--------------------|
| C. Sarcoplasmic reticulum | D. Myosin filament |
| A. Maxilla | B. Mandible |
| C. Nasal | D. Lacrimal |

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- Q.35 Skull forms joint with:**
A. Atlas
C. Axis
B. 1st thoracic vertebrae
D. Last cervical vertebrae
- Q.36 Longest bone of lower limb is:**
A. Ulna
C. Radius
B. Tibia
D. Femur
- Q.37 Phagocytic cells of bones are called as:**
A. Fibroblasts
C. Osteoblasts
B. Osteoclasts
D. Osteocytes
- Q.38 Ilium is the part of:**
A. Small intestine
C. Pectoral girdle
B. Pulmonary tract
D. Pelvic girdle
- Q.39 During muscle contraction in humans, source of energy is:**
A. Chemical
C. Mechanical
B. Physical
D. Kinetic
- Q.40 The sliding protein of muscle:**
A. Tubulin
C. Myosin
B. Myoglobin
D. Actin
- Q.41 Vertebrae are named according to:**
A. Structure
C. Functions
B. Formation
D. Location
- Q.42 Muscle fatigue is due to accumulation of:**
A. Lactic acid
C. Pyruvic acid
B. Acetic acid
D. Palmitic acid
- Q.43 All of the following are true regarding muscle contraction except:**
A. I band shortens
C. Z-lines gets closer
B. A band remains unchanged
D. M-line disappears
- Q.44 Small bone located at the base of the skull which does not articulate with any other bone of the head is:**
A. Incus
C. Hyoid
B. Malleus
D. Stapes
- Q.45 Increased excitability of neurons, loss of sensations and respiratory arrest are the characteristic features of:**
A. Muscle fatigue
C. Muscular tetany
B. Tetanus
D. Muscle cramps
- Q.46 Vestigial bone found in human skeleton is:**
A. Sacrum
C. Last lumbar vertebrae
B. Coxal bone
D. Coccyx
- Q.47 Osteoporosis is more common in aged women due to deficiency of _____.**
A. FSH
C. LH
B. Estrogen
D. Progesterone
- Q.48 Site for the attachment of pelvic girdle is:**
A. Sternum
C. Vertebral column
B. Ribs
D. Skull
- Q.49 Myoglobin is found in:**
A. Blood
C. Bones
B. Spleen
D. Muscles
- Q.50 The dark bands of a skeletal muscle are known as**
A. Isotropic bands
C. Anisotropic bands
B. Intercalated disc
D. Cross bridges



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CTS # 7

ENGLISH

1-B	11-C	21-D
2-C	12-B	22-A
3-D	13-B	23-C
4-D	14-A	24-B
5-A	15-A	25-B
6-B	16-A	26-B
7-B	17-C	27-B
8-D	18-D	28-A
9-D	19-C	29-C
10-B	20-B	30-D

BIOLOGY

1-D	11-B	21-A	31-C	41-D
2-B	12-B	22-D	32-A	42-A
3-B	13-B	23-C	33-C	43-D
4-D	14-A	24-D	34-B	44-C
5-D	15-B	25-C	35-A	45-C
6-B	16-A	26-D	36-D	46-D
7-B	17-A	27-C	37-B	47-B
8-C	18-C	28-C	38-D	48-C
9-A	19-A	29-A	39-A	49-D
10-A	20-C	30-A	40-D	50-C